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(71)Applicant : SANYO ELECTRIC CO LTD

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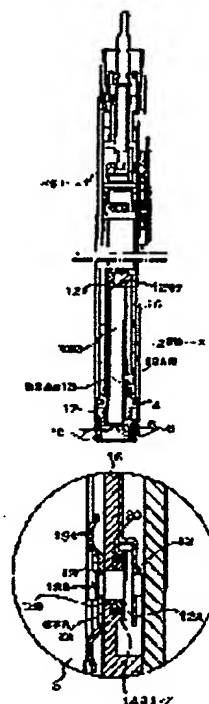
(72)Inventor : MITANI YASUO

## (54) PORTABLE ELECTRIC APPLIANCE OF BATTERY BUILT-IN WATERPROOF STRUCTURE

### (57)Abstract:

**PURPOSE:** To provide a structure capable of surely preventing gas leakage from a battery case and efficiently conducting mass production at low cost.

**CONSTITUTION:** A portable electric appliance with waterproof structure has a battery 3 built-in battery case 2 in a main body case 1. The battery case 2 has a terminal hole 2 passing though the battery case 2. A terminal 12 with a flange 12A is inserted into the terminal hole 2A. An O-ring 14 is arranged between the flange 12A of the terminal 12 and the periphery of the terminal hole 2A. The O-ring 14 is closely fixed to the periphery of the terminal hole 2A of the battery case 2 by the flange 12A of the terminal 12 to seal the terminal hole 2A by the flange 12A and the O-ring 14. Electric power of the battery is taken out by the terminal 12 to the outside of the battery case 2.



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